

**ADAPTIVE THRESHOLDS IN ACOUSTIC ECHO CANCELLER FOR USE
DURING DOUBLE TALK**

Aidong Ning

ABSTRACT OF THE DISCLOSURE

5 Disclosed is an apparatus for cancelling far endpoint echo signals in audio signals
transmitted from a near endpoint to a far endpoint. In one embodiment, the apparatus
includes a near endpoint analysis filter bank operable to divide a near endpoint signal into a
plurality of near endpoint subband signals, a far endpoint analysis filter bank operable to
divide a far endpoint signal into a plurality of far endpoint subband signals, and a background
10 signal power estimator operable to determine background noise at the near end.